

Title (en)

METHOD AND REACTOR FOR PRODUCING CARBON NANOTUBES

Title (de)

VERFAHREN UND REAKTOR ZUR HERSTELLUNG VON KOHLENSTOFFNANORÖHREN

Title (fr)

PROCEDE ET REACTEUR POUR PRODUIRE DES NANOTUBES DE CARBONE

Publication

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Application

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Abstract (en)

[origin: US2009294273A1] The present invention concerns a process for producing carbon nanotubes or other carbon nanostructures, e.g. cones. The process comprising evaporating/decomposing a carbon containing material in a voluminous thermal plasma generated by rotating an electric arc using an externally applied magnetic field, and condensing said evaporated/decomposed carbon containing material on surfaces or on particles in a gas flow. A reactor for performing the process is also described.

IPC 8 full level

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Citation (examination)

- US 6238629 B1 20010529 - BARANKOVA HANA [SE], et al
- SCHMITT J P M ET AL: "PROBLEMS IN LARGE SIZE AMORPHOUS SILICON PLATE MANUFACTURING", AMORPHOUS SILICON TECHNOLOGY - 1991. ANAHEIM, CA, APRIL 30 - MAY 3, 1991; [MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS], PITTSBURGH, PA, MRS, US, vol. VOL. 227, 30 April 1991 (1991-04-30), pages 631 - 642, XP000784921, ISBN: 978-1-55899-113-2

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